LABDEX

Thermostatic Shaking Incubator
LX547TSI

Email: info@labdex.com **website:** www.labdex.com

Description

Thermostatic Shaking Incubator LX547TSI is a microprocessor-controlled incubator integrated with 3 functions mixing, shaking and incubating. Equipped with vortexing and heating (cooling) for different tube needs. Having the option to exchange various blocks is very convenient for replacement.

Specifications

Speed range	300 ~ 1500 rpm
Shaking orbit	3 mm (Horizontal)
Temperature control range	0 °C to 100 °C
Temperature setting range	0 °C ~ 100 °C
Temperature maximum decrease	RT decreases 20 °C @ R.T. 26 °C
Temperature stability	± 0.3 ˚C
Block temperature uniformity	± 0.3 ˚C
Temperature display accuracy	0.1 ˚C
Heating speed	≤ 15 mins (20˚C to 100˚C)
Cooling speed	≥7 °C/min (100°C drop to 20 °C) ≥1.2 °C/min (R.T. decreases 10 °C)
Cooling time	≤ 30 mins (RT decreases 20˚C) at RT 26 ˚C
Time range	1 min ~ 99 h 59 mins or continuous
Voltage	AC 100 V / AC 230 V, 50 / 60 Hz

Power	200 W
Fuse	250 V, 3A, Φ5 x 20
Dimension (W x D x H)	196 × 270 × 170 mm
Weight	8.8 kg

Features

- 2-D blend technology with adjustable mixing speed
- Microprocessor temperature control with adjustable shaking speed
- The time range is o to 100 hours also supports non-stop operation time to run continuously
- Built-in temperature calibration short mixing function
- Allow users to exchange various blocks which is convenient to replace
- DC brushless motor drive, long life and free of maintenance
- The power recovery function helps in recovering lost data in case there is an emergency shutdown for the unit
- Provide 3 in 1 shaking and incubating method as follows
- 4. Plate (shaking and mixing)
- 96 holes PCR plates (skirted, semi-skirted, un-skirted)
- 384 holes PCR plates, 96 holes and 384 holes high plates
- MTP, enzyme-labeled plates
- 5. Tube Stands (shaking and mixing)
- 0.2ml PCR tubes and strips stand
- PCR tubes and strips stand, 0.5ml micro tubes stand, 1.5ml/2.0ml micro tubes stand
- 6. Blocks (shaking, mixing, incubator)

Applications

- Used for incubating microbes, DNA replications, in cultivating microbial, tissue cultures and cell cultures.

Optional Accessories

Accessory no	Specifications	Maximum temperature	Dimension of hole	Hole bottom shape	Block dimension
TS01	96 x 0.2 ml PCR plate	100 °C	6.7 mm	Cone bottom	107 x 71 x 20 mm
TS02	54 x 0.5 ml	100 °C	8 mm	Cone bottom	107 x 71 x 25 mm
TS03	35 x 1.5 ml	100 °C	10.8 mm	Cone bottom	107 x 71 x 32 mm
TS04	35 x 1.5 ml	100 °C	10.8 mm	Round bottom	107 x 71 x 32 mm
TS05	20 x 0.5 ml + 15 x 1.5 ml	100 °C	8 mm / 10.8 mm	Cone bottom	107 x 71 x 32 mm
TS06	24 x ≤Φ12 mm	100 °C	12 mm	Flat bottom	107 x 71 x 32 mm
TS07	32 x 0.2 ml + 25 x 1.5 ml	100 °C	6.1 mm / 10.8 mm	Cone bottom	107 x 71 x 32 mm

TS08	32 x 0.2 ml + 10 x 0.5 ml + 15 x 1.5 ml	100 °C	6.1 mm / 8 mm / 10.8 mm	Cone bottom	107 x 71 x 32 mm
TS09	103 x 67 x 30 mm (Water bath block)	100 °C	103 x 67 x 30 mm	Flat bottom/td>	107 x 71 x 32 mm
TS10	Flat block	100 °C	Top size 69 x 107 x 12 mm	Flat plate block	116 x 71 x 15 mm
TS11	24 x 5 ml (Non-standard, max. speed 600rpm)	100 °C	13.5 mm	Flat bottom	107 x 71 x 32 mm
TS12	12 x 15 ml (Non-standard, max. speed 600rpm)	100 °C	16.9 mm	Flat bottom	107 x 71 x 100 mm

TS13	6 x 50 ml (Non-standard, max. speed 600rpm)	100 °C	29.5	Flat bottom	107 x 71 x 100 mm
TS14	107 x 71 x 100 mm	-	-	-	122 x 80.5 x 35 mm
TS15	24 x 0.5ml tube stand	-	-	-	122 x 80.5 x 41 mm
TS16	24 x 1.5/2.0 ml tube stand	-	-	-	122 x 80.5 x 41 mm
TS17 (Cover)	Suit for blocks DBO1 ~ DB10				
TS18 (Cover)	Suit for blocks DB10 ~ DB13				

71-75 Shelton Street Covent Garden, London WC2H 9JQ UK.

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